

A LIST OF THE RECORDED FRESHWATER PROTOZOA OF QUEENSLAND

WITH A NUMBER OF NEW RECORDS.

By C. D. GILLIES, B.Sc.

Biology Laboratory, University of Queensland.

(Read before the Royal Society of Queensland, 30th August,
1915.)

THE following is a list of the recorded Freshwater Protozoa of Queensland, together with a number of new records for this State, the latter being indicated by an asterisk (*).

SPECIES.	RECORDER.	LOCALITY.
CLASS SARCODINA.		
SUB-CLASS RHIZOPODA		
Order Amoebina		
<i>Amoeba limax</i> , Duj. . .	Schewiakoff (1)	Brisbane, Dec., 1889.
* <i>Amoeba proteus</i> , Leidy.	Sandgate, June, 1915.
Order Conohulina.		
* <i>Arcella angulosa</i> , Perty.	Bribie Is., April, 1915.
* <i>Arcella discoides</i> , Ehrb.	Bajool, April, 1915.
* <i>Arcella vulgaris</i> , Ehrb.	Bribie Is., April, 1915 ; Bajool, April, 1915.
* <i>Centropyxis aculeata</i> , Stein.	Chelmer, July, 1914 ; Bribie Is., April, 1915.
* <i>Centropyxis ecornis</i> , Leidy.	Bajool, April, 1915.
* <i>Diffflugia acuminata</i> , Ehrb.	Darra, July, 1914.
* <i>Diffflugia globulosa</i> , Leidy.	Bribie Is., April, 1915 ; Darra, July, 1914 ; Bajool, April, 1915.
* <i>Diffflugia lobostoma</i> , Leidy.	Darra, July, 1914.
* <i>Diffflugia oblonga</i> , Ehrb.	Darra, July, 1914 ; Chelmer, July, 1914 ; Bajool, April, 1915.
* <i>Euglypha alveolata</i> , Duj.	Darra, July, 1914.
* <i>Euglypha cristata</i> , Leidy.	Bribie Is., April, 1915.
* <i>Trinema enchelys</i> , Leidy.	Sandgate, June, 1915 ; Bribie Is., April, 1915 ; Darra, July, 1914.

SPECIES.	RECORDER.	LOCALITY.
SUB-CLASS HELIOZOA.		
Order Aphrothoraca.		
<i>Actinophrys eichornii</i> ..	Colledge (2)	
* <i>Actinophrys sol</i> , Ehrb.	Sandgate, June, 1915.
<i>Actinosphaerium</i> , sp. ..	Johnston (3)	Caloundra. 1914.
Order Desmothoraca.		
* <i>Clathrutina elegans</i> , Cien.	Bribie Is., April, 1915: Sandgate, June, 1915.
CLASS		
MASTIGOPHORA.		
SUB-CLASS FLAGELLATA.		
<i>Anthophysa vegetans</i> (O. F. Müll.)	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Chilomonas paramoecium</i> , Ehrb.	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Chlamydomonas</i>	Wasteneys (4)	Enoggera.
<i>Cryptomonas</i>	Wasteneys (4)	Enoggera.
<i>Dinobryon</i>	Wasteneys (4)	Enoggera.
<i>Euglena</i>	Wasteneys (4)	Enoggera.
* <i>Euglena viridis</i> , Ehrb.	Chelmer, July, 1914.
<i>Mallomonas</i>	Wasteneys (4)	Enoggera.
<i>Phacus</i>	Wasteneys (4)	Enoggera.
<i>Trachelomonas volvocini</i> , Ehrb.	Schewiakoff (1)	Brisbane, Dec., 1889.
SUB-CLASS DINOFLAGEL- LATA.		
<i>Ceratium</i>	Wasteneys (4)	Enoggera.
<i>Ceratium</i> , sp.	Johnston (3)	Enoggera, 1914.
<i>Peridinium</i>	Wasteneys (4)	Enoggera.
<i>Peridinium</i> , sp.	Johnston (3)	Enoggera, 1914.
CLASS INFUSORIA.		
SUB-CLASS CILIATA.		
Order Holotricha.		
<i>Cinetochilium margar- itaceum</i> , (Ehrb.)	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Coleps hirtus</i> , Ehrb.	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Coleps</i>	Wasteneys (4)	Enoggera.
<i>Cyclidium glaucoma</i> (O. F. Müll.)	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Enchelys</i>	Wasteneys (4)	Enoggera.
<i>Nassula aurea</i> , Ehrb.	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Nassula</i>	Wasteneys (4)	Enoggera.
<i>Paramoecium bursarea</i> , (Ehrb.)	Schewiakoff (1)	Brisbane, Dec., 1889.
<i>Paramoecium</i>	Wasteneys (4)	Enoggera.

SPECIES.	RECORDER.	LOCALITY.
Order Heterotricha.		
<i>Stentor polymorphus</i> , Ehrb.	Schewiakoff (1)	Brisbane, Dec., 1889. Northgate, Aug., 1910.
<i>Stentors</i>	Colledge (5)	
Order Peritricha.		
<i>Epistylis</i>	Colledge (2)	Enoggera.
<i>Vorticella</i>	Colledge (2)	
	Wasteneys (4)	

My thanks are due to Dr. T. Harvey Johnston for material and valuable suggestions.

BIBLIOGRAPHY.

- (1) Schewiakoff, W. Mem. Acad. Sci., St. Pétersbourg, xli, No. 8, 1893.
- (2) Colledge, W. - Proc. Roy. Soc., Q'land, xxii, Pt. 1, 1909, p. 35.
- (3) Johnston, T. H. Proc. Roy. Soc., Q'land, xxvi, 1914, p. xiv.
- (4) Wasteneys, H. - Proc. Roy. Soc., Q'land, xix, Pt. ii, 1906, p. 127.
- (5) Colledge, W. - "Queensland Naturalist," I, p. 162.
- (6) Leidy, J. - "The Freshwater Rhizopoda of N. America," 1879.
- (7) Saville Kent, W. "A Manual of the Infusoria," 1880-82.
- (8) Wailes, G. H. - Journ. Roy. Mic. Soc., April, 1915.